BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, YELAHANKA PROJECT DIVISION

Comparitive Statement

Name of Work: Providing Children Play Equipment, Gym items Kogilu Lake and Thrumenahalli Lake at Ward No.5 Jakkur

Estimate Amount:- Rs. 8000000/-

Name of Contractor:- Gopi Reddy. K

Approved amount:- Rs. 75,59,951.28/-

Tender premium:- 8.01% Above

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	18	17	18	19	20
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	33.28	342.00	11381.76	68.13	41.60	342.00	14227.20	26.53	342.00	9073.20	68.13	23300.40	11918.70	0.00	
2	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	9.36	6207.00	58097.52	14.72	11.70	6207.00	72621.90	3.02	6207.00	18737.34	14.72	91359.24	33261.76	0.00	
3	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density.	Cum	72.00	373.00	26856.00	357.37	90.00	373.00	33570.00	267.37	373.00	99727.52	357.37	133297.52	106441.52	0.00	
4	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	24.00	5947.00	142728.00	48.47	30.00	5947.00	178410.00	18.47	5947.00	109838.12	48.47	288248.12	145520.12	0.00	
5	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.	Sqm	240.00	1410.00	338400.00	204.69	204.69	1410.00	288612.90	0.00	1410.00	0.00	204.69	288612.90	0.00	49787.10	
6	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge.	Nos	462.00	468.00	216216.00	380.00	380.00	468.00	177840.00	0.00	468.00	0.00	380.00	177840.00	0.00	38376.00	
7	Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm	93.60	70.00	6552.00	105.27	105.27	70.00	7368.90	0.00	70.00	0.00	105.27	7368.90	816.90	0.00	

	[illegible] filling in wells complete as per drawing and technical specifications including cost of all materials, labour, HOM, form works, scaffolding & centering complete as per specifications.	Cum	135.00	3032.00	409320.00	73.08	73.08	3032.00	221578.56	0.00	3032.00	0.00	73.08	221578.56	0.00	187741.44	
9	Supply and Fixing of Pull Down Challenger. Metal: All tubular steel of 2 .5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All weld d joints are scalloped as necessary and welded to an approved MIG process.All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at II the welding points prior to finishing . All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. Allmetal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for th e handles. Bearings:Maintenance-free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified internat ional certifying agency such as IPEMA,TUV,CPSC, or SGS only.The GS Mark- EN16630 Certificates must be in the name of tendering party	Each	2.00	259200.00	518400.00	2.00	2.00	259200.00	518400.00	0.00	259200.00	0.00	2.00	518400.00	0.00	0.00	
10	Supply and fixing of Seated Chest Press. Metal: All tubular steel of 2.Smm thikness are galvanized and z inc dipped. Joints are Robotic welded. All welded joints t1H • scalloped as necessary and welded to an approved MIG process. All welds an• 111 csed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the w 11lt1ing points prior to finishing. All metal parts are powder coated using AKZO Nobel (11 ca t Wall powder to the thickness of 80-120 microns. All metal parts are tested in rn 1r a lt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handle!,,Bearings: Maintenance-free ball bearings. Scope of delivery: 1completely Prt' ,ssembled equipment modules. Maintenance: Maintain according to EN 166630 and the maintenance guide. Safety: All products must be tested and certified to mt•(•IEN16630 safety standards with GS test mark. The EN 16630,certificates must be issued by a reputed notified international certifying agency such as IPEMA, 1UV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party	Each	2.00	248400.00	496800.00	2.00	2.00	248400.00	496800.00	0.00	248400.00	0.00	2.00	496800.00	0.00	0.00	
11	Supply and fixing of Self Weighted Rower. Metal: All tubular steel of 2.Smm thit.kness are galvaniied and zinc dipped. Joints are Robotic welded. All welded joiflts arc scalloped as necessary and welded to an approved MIG process. All welds arc dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our sa lt S'PI,ray machine.that uses a 5% NaCl solution in accordance to IS07227 to speed up3 c_6rrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintain according to EN 16630 and the maintenance guide. Safety:All products must be tested and certified to meet EN16630 safety standards only by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS. The GS Mork• EN16630 Certificates must be in the name of tendering party and not any 3rd p;.11 ty All products must carry a	Each	2.00	178200.00	356400.00	2.00	2.00	178200.00	356400.00	0.00	178200.00	0.00	2.00	356400.00	0.00	0.00	

12	...ly and fixing of Elliptical Cross Trainer. Metal: All t\jbular steel ...2 8mm thickness are galvanized and zinc dipped. Joints are RCibotic welded. All weldecl 1oints a re scalloped as necessary and welded to an approve(j MIG process. All welds .i re dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at .ill the welding points prior to finishing. Alt metal parts are PCl\vder coated using AKZO Nobel Great Wall powder to the thickness of 80-120 microns. All metal parts are testecJ in our salt spray machine that uses a 5% NaCl solution iri ilccordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality €rip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1completely.pre-assembled equipment modules. Maintenance: Maintain according to EN 1G630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards w ith GS test mark.The EN 16630 certificates must be issued by a reputed notified international certifying ag!!ncy uch as IPEMA,TUV ,CPSC, or SGS only .The GS Mark-EN16630 Certificates must be in the name of tendering party	Each	2.00	151200.00	302400.00	2.00	2.00	151200.00	302400.00	0.00	151200.00	0.00	2.00	302400.00	0.00	0.00	
13	Supply and Fixing of Rider. Metal: All tubular steel of 2.smm thickness are galvd 1 ilzed and zinc dipped . Joints are Robotic welded. All weldect joints are scalloped as necessary and welded to an approved MIG proi;ess. .<\11 welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing.All metal parts are powder Clated using AKZO Nobel-G reat Wall powder to the thickness of 80-120 microns. All II\etal parts are tested in our sa lt spray machine that uses a 5% NaCl solution in accorcJ<ince to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubher is used for the handles. 5 Bearings : Maintenance-free ball bearings...Scope of c:l livery: 1completely pre-assembled equipment modules. Maintenance: Maint<1in according to EN 16630 a nd the maintenance guide. Safety: Alf products must b tested and certified to meet EN16630 safety standards with GS test mark. The EI\! 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV ,CPSC, or SGS only. The GS Mark-EN16630 Certificate must be in the name of tendering	Each	2.00	97200.00	194400.00	2.00	2.00	97200.00	194400.00	0.00	97200.00	0.00	2.00	194400.00	0.00	0.00	
14	Supply and Fixing of Bicycle. Metal: All tubular steel of 25mm thickness are galvani zed and zinc dipped. Joints are Robotic welded. All welded joint s are S('.Illoped as necessary and w eldea to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the weltling points prior to finishing.All metal parts are powder coated using AKZO Nobel GreatWall powder to the thickness of 80- 120 microns. All metal parts are tested in our salt v pray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up - orrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. each 1 125000 125000 131188 131188 134500 134500 Bearings: Maintenance-free ball bearings . Scope of delivery: 1completely pre assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to mee t EN16630 safety standards only by a reputed notified international certifying acency such as IPEMA,TUV,CPSC, or SGS. The GS Mark EN16630 Certificates must be in the name of tendering party and	Each	2.00	135000.00	270000.00	2.00	2.00	135000.00	270000.00	0.00	135000.00	0.00	2.00	270000.00	0.00	0.00	

15	Supply and Fixing of Arm & Pedal Bike. Metal: All tubular steel of 2.5mm thickness a re galvanized and zinc dipped.Joints are Robotic welded.All welded joints are sca lloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles.Bearings : Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide.Safety : All products must be tested anEI certified to meet EN16630 safety standards only by a reputed notified international certifying agencv such as IPEMA,TUV, CPSC, or SGS. The GS Mark- EN16630 Certificates must be in t he name of tendering party and not any 3rd party.Size L x W x H): 830 x 500 x 1450 mm.	Each	2.00	183600.00	367200.00	2.00	2.00	183600.00	367200.00	0.00	183600.00	0.00	2.00	367200.00	0.00	0.00	
16	Supply and fixing of Twist Stepper. Metal: All tubular steel of 2.Smrn thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are sca lloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-GreatWall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark.The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV ,CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering	Each	2.00	194400.00	388800.00	2.00	2.00	194400.00	388800.00	0.00	194400.00	0.00	2.00	388800.00	0.00	0.00	
17	Supply and fixing of HD Health Walker. Metal: All tubular steel of 2.Smm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joint s arescalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a S% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bea rings.11 Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EQ_and the maintenance guide.Safety: All productsmust be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630	Each	2.00	151200.00	302400.00	2.00	2.00	151200.00	302400.00	0.00	151200.00	0.00	2.00	302400.00	0.00	0.00	

18	Supply and fixing of HD Squat Pushing. Metal:All tub.ular steel of 2.0mm1thicknos are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are sca lloped as necessary: and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing . All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our sa lt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles 13 Bearings: Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules.Maintenance: Maintain according to EN 16630 andthe maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only .The GS Mark- EN16630 Certificates must be in the name of tendering	Each	2.00	232200.00	464400.00	2.00	2.00	232200.00	464400.00	0.00	232200.00	0.00	2.00	464400.00	0.00	0.00	
19	Supply and fixing of HD Waist Twister. Metal : All tubular steel of 2.Smm thic k11ess are ga:vanized and zinc dipped. Joints are Robotic welded. All welded joints are scJlloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns.Al l metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up rrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. arings : Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance : Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA,TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd	Each	2.00	140400.00	280800.00	2.00	2.00	140400.00	280800.00	0.00	140400.00	0.00	2.00	280800.00	0.00	0.00	
20	Providing ,fabricating and fixing Special Multiplay Systems consists of FRP moulded with Aluminium chequered platforms of size 5x5 ft with 4 support piller made out of 75 mm dia G.I "B"pipes fixed in cement concrete 1:2:4.The patforms are to be covered with pyramid shaped FRP roof. The platform is to be with tubular slide & Mini Aquva tunnel Slide made up of high quality FRP the slide is to fixed at a height of 11ft and runs for a length of not less than twenty ft and the slide should be supported at regular intervals of 6ft using M.S pipes support and the platform ladder with 25mm dia MS pipes with suitable hand rails and steps made out of G I sheet with tred 4" with powder coated finish,fine quality FRP with suitable design and as per drawing Moulded FRP slides are non-corrossive ,fade free,tough grade,durable hard and should prevent uv light.The work should be executed as per the standard specifications and directions of the engineer in charge with all lead and lift,loading and unloading and any incidental charge required for it	Each	2.00	642600.00	1285200.00	1.00	1.00	642600.00	642600.00	0.00	642600.00	0.00	1.00	642600.00	0.00	642600.00	

21	iding fabricating and fixing Multiplay Special slider systems consisting of the plat form with 25mm dia MS pipe and Aluminium chequered plates of size 3x3 ft fitted at 7 ft height from ground level with 4 legs made out of 65mm dia G.I pipes fixed cement concrete 1:2:4. The plat forms is to be fitted with FRP wave slide spiral slide and standard slide with vertical ladder on one side each with GI sheet steps of treads 4" 25mm dia MS pipes with suitable Hand rails fixed at a height of 5 ft and runs for a length of not less than 12 ft the platforms are to be coverd with ryramid Shape FRP roof this slide should be supported at regular intervals of 4 ft using MS pipes support powder coated fine quality FRP with suitable design and as per drawing Moulded FRP slides are non-Corrossive fade free ,tough grade ,durable hard and should prevent uv light.The work should be executed as per the standard specifications and directions of the engineer in charge with all lead and lift,loading and unloading and any incidental charges required for the successful competion of the work (ALL FRP items are gel water finish or stoving paint in ovens)	Each	2.00	561600.00	1123200.00	1.00	1.00	561600.00	561600.00	0.00	561600.00	0.00	1.00	561600.00	0.00	561600.00	
														6377805.74	**297959.00**	**1480104.54**	
					7559951.28												
	EIRL																
E1	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS, heavy duty cobble stones 60mm thick	Sqm											181.27	**218536.58**	**218536.58**		
E2	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications. KBS 5.1.13, cement mortar 1:6	Cum											110.74	**582691.50**	**582691.50**		
E3	Providing and fixing Granite Benches with Base, Back rest and Pedestals of size, Shape and Design including Transportation and with lead and lift, loading and unloading, Earthwork excavation and fixing in 1:4:8 (wherever necessary) and curing etc., complete as per standard Specification and direction of engineer in charge.	Nos											15.00	**170925.83**	**170925.83**		
E4	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) as per direction of Engineer in Charge	m											34.50	**33929.86**	**33929.86**		

E5	ding and fixing M.S. Block pipe of 38mm dia, of heavy gauge of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint as per direction of Engineer in Charge	m											76.00	35501.25	35501.25		
E6	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint as per direction of Engineer in Charge	Sqm											38.00	31107.10	31107.10		
E7	Providing and fixing for flooring 20mm thick sadarhalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of including cost of all materials, mortar, labour, curing etc., complete as per specification.	Sqm											47.40	107397.45	107397.45		
	Construction Cost													7557895.29	1478048.55	1480104.54	
	Misc													0.00	2055.98		
	Total Cost				**7559951.28**									7557895.29	1480104.54	1480104.54	

Contractor

Assistant Engineer
Yelahanka Project Division

Asst Executive Engineer
Yelahanka Project Division.

Asst Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Executive Engineer
Yelahanka Project Division

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Cost Statement Approved

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ.